Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/05/2021 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124939	-1	3.13	125043	3.12
Blue	F	SSC	125000	123252	-2	4.07	124329	4.01
Blue	E	FITC	14203	13748	-4	3.23	298	15.10
Blue	D	PE	25703	25074	-3	3.05	544	10.91
Blue	B	PerCP-Cy5-5	42104	40580	-4	3.58	905	14.49
Blue	A	PE-Cy7	34646	34140	-2	4.81	493	28.66
Red	C	APC	49824	49366	-1	3.16	1514	11.37
Red	A	APC-Cy7	39773	38576	-4	3.32	722	12.03
Violet	B	V450	7447	7296	-3	4.11	410	12.68
Violet	A	V500	31193	30308	-3	3.90	690	10.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21894	3.28	548	-8	N/A	N/A	Pass
Blue	F	SSC	54143	3.61	511	-1	N/A	N/A	Pass
Blue	E	FITC	55	51.89	482	-4	0.0417	67	Pass
Blue	D	PE	107	38.02	483	-2	0.3436	225	Pass
Blue	B	PerCP-Cy5-5	175	35.02	573	-4	0.0199	44	Pass
Blue	A	PE-Cy7	113	61.47	617	-3	0.0227	0	Pass
Red	C	APC	350	23.80	568	1	0.0284	97	Pass
Red	A	APC-Cy7	201	25.00	544	0	0.0060	741	Pass
Violet	B	V450	91	41.37	448	-1	0.0491	1726	Pass
Violet	A	V500	121	27.31	465	-2	0.0230	267	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/05/2021 09:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.97 - 71.95	N/A	N/A	-32.79	-32.36	1.06
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	22.60	15.99 - 23.99	N/A	N/A	30.69	31.03	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 10310

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments